

L13 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1989:130515 CAPLUS
 DOCUMENT NUMBER: 110:130515
 TITLE: Stabilized herbicides comprising atrazine-prometryn mixture
 INVENTOR(S): Patkova, Marta; Nadvornik, Robert; Poor, Robert;
 Svitek, Imrich; Markusek, Julius; Stanova, Aurelia
 Czech.
 PATENT ASSIGNEE(S): Czech.
 SOURCE: Czech., 5 pp.
 CODEN: CZXXA9
 DOCUMENT TYPE: Patent
 LANGUAGE: Slovak
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CS 247033	B1	19861113	CS 1985-3509	19850516
PRIORITY APPLN. INFO.:			CS 1985-3509	19850516
AB	A stabilized combined herbicide based on atrazine (I) and prometryn (II) is prepared as a dispersible powder with addition of a nonionic surfactant, powdered sulfite liquor, active SiO ₂ , and kaolin. A ground tech. concentrate (containing 94.6 weight% I) 22.41 weight parts was mixed with a ground tech. concentrate (containing 99.5 weight% II) 31.66 weight parts, and a powdered dispersant consisting of a molten mixture of nonionic surfactants 2, active SiO ₂ 2, and powdered sulfite liquor 1 weight part was added. Then, powdered sulfite liquor 10 and kaolin 30.93 weight parts were added. The resulting product was used to prepare 1% aqueous suspension at 20°. After 30 min, stability of the suspension was 83.12 weight%. When the suspension was prepared from the product stored for 14 days at 55°, stability of the suspension was 72.35 weight% after 30 min.			
ST	herbicide atrazine prometryn silicon dioxide stabilizer			

L13 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1980:463632 CAPLUS
 DOCUMENT NUMBER: 93:63632
 TITLE: Herbicidal composition
 INVENTOR(S): Lovejoy, David
 PATENT ASSIGNEE(S): Lilly Industries Ltd., UK
 SOURCE: Ger. Offen., 24 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2947073	A1	19800604	DE 1979-2947073	19791122
GB 2037585	A	19800716	GB 1979-39957	19791119
GB 2037585	B	19830106		
NL 7908470	A	19800528	NL 1979-8470	19791120
FR 2442011	A1	19800620	FR 1979-28575	19791120
FR 2442011	B1	19841214		
BE 880196	A1	19800521	BE 1979-47018	19791121
ES 486242	A1	19800616	ES 1979-486242	19791122
DK 7905377	A	19800622	DK 1979-5377	19791217
AU 7953895	A	19800626	AU 1979-53895	19791217
AU 532756	B2	19831013		
ES 487124	A1	19801216	ES 1979-487124	19791220

ZA 7906948	A	19810729	ZA 1979-6948	19791220
PRIORITY APPLN. INFO.:			GB 1978-45839	A 19781123
AB	Addition of fumed or precipitated SiO ₂ prevented caking of wettable powder herbicidal formulations containing a dinitroaniline, such as trifluralin [1582-09-8] and benfluralin [1861-40-1], and a urea derivative such as metoxuron [19937-59-8], chlortoluron [15545-48-9], isoproturon [34123-59-6], linuron [330-55-2], and neburon [555-37-3]. Thus, very little caking was shown by a formulation containing 10% SiO ₂ exposed to 50° for 1 wk.			
ST	herbicide formulation silicon dioxide; caking prevention herbicide formulation			
IT	Herbicides (formulation of, silicon dioxide as anticaking additive for)			
IT	Agglomeration preventers (silicon dioxide, for herbicide formulations)			

L13 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1980:439514 CAPLUS
 DOCUMENT NUMBER: 93:39514
 TITLE: Granular pesticidal compositions
 INVENTOR(S): De Lange, Willem
 PATENT ASSIGNEE(S): Duphar International Research B. V., Neth.
 SOURCE: Brit. UK Pat. Appl., 5 pp.
 CODEN: BAXXDU
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2026866	A	19800213	GB 1979-25572	19790723
GB 2026866	B	19820630		
NL 188886	B	19920601	NL 1978-7907	19780726
NL 188886	C	19921102		
DE 2928585	A1	19800207	DE 1979-2928585	19790714
DE 2928585	C2	19940908		
SE 7906292	A	19800128	SE 1979-6292	19790723
SE 446808	B	19861013		
SE 446808	C	19870129		
CH 644248	A5	19840731	CH 1979-6824	19790723
BE 877866	A1	19800124	BE 1979-196435	19790724
JP 55019293	A	19800209	JP 1979-94173	19790724
JP 63061284	B	19881128		
HU 23077	A2	19820830	HU 1979-DU312	19790725
HU 180732	B	19830429		
FR 2433295	A1	19800314	FR 1979-19297	19790726
FR 2433295	B1	19821203		
US 4341552	A	19820727	US 1981-226442	19810119
PRIORITY APPLN. INFO.:			NL 1978-7907	A 19780726
			US 1979-58214	A1 19790716

AB A granular pesticidal composition was prepared in which each granule comprising a volatile pesticide, a solid, inert carrier, and a binder was surrounded by a layer of SiO₂ with a silanized surface. E.g., a granular composition containing 2,6-dichlorobenzonitrile [1194-65-6] 6.75, Na α,α-dichloropropionate [127-20-8] 10, and lignin sulfonates 5% weight, and dolomite as carrier, was treated with Aerosil R972 [60842-32-2] 0.45 and TiO₂ 0.05% weight, and stored at 54° for 1-7 days and at room temperature for 3-120 days; there was little or no crystal wool formation.

IT Herbicides